

(19) World Intellectual Property **Organization**

International Bureau





(43) International Publication Date 24 February 2005 (24.02.2005)

PCT

(10) International Publication Number WO 2005/017162 A3

(51) International Patent Classification7: 15/21, C07K 14/56

C12N 15/63,

(21) International Application Number:

PCT/EP2004/009067

(22) International Filing Date: 12 August 2004 (12.08.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

60/494,914

13 August 2003 (13.08.2003)

- (71) Applicant (for all designated States except US): SANDOZ AG [CH/CH]; Lichtstrasse 35, CH-4056 Basel (CH).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): WINDISCH, Jörg [AT/AT]; Lände 95, A-6233 Kramsach (AT). SCHOER-GENDORFER, Kurt [AT/AT]; Waldweg 12, A-6336 Langkampfen (AT). PALMA, Norbert [IT/AT]; Kleinsoell 127, A-6252 Breitenbach a. Inn (AT). KNAUSEDER, Franz [AT/AT]; Oberndorf 306, A-6322 Kirchbichl (AT). BOEHLING, Hans [AT/AT]; Unterer Stadtplatz 6, A-6330 Kufstein (AT).
- (74) Agent: GRUBB, Philip; Novartis AG, Corporate Intellectual Property, CH-4002 Basel (CH).

- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- with (an) indication(s) in relation to deposited biological material furnished under Rule 13bis separately from the description
- (88) Date of publication of the international search report: 19 May 2005

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: EXPRESSION VECTORS, TRANSFORMED HOST CELLS AND FERMENTATION PROCESS FOR THE PRO-**DUCTION OF RECOMBINANT POLYPEPTIDES**

(57) Abstract: The present invention relates to an expression vector, comprising a polynucleotide encoding a fusion protein comprising the signal sequence of the gac gene of Pseudomonas diminuta and a polypeptide of interest, a prokaryotic host cell transformed with such an expression vector and a process for production of a polypeptide of interest using said host cell and said expression vector.

